Listing of the Claims

This listing of claims will replace all prior versions and listings of claims in the application:

1.   (Previously presented) A method for reducing artifacts in a video stream, comprising the steps of:

decoding the video stream in a video decoder; and

adding noise to at least one pixel in a picture in the video stream following decoding in an amount correlated to additive noise of pixels in at least one prior picture.

2.   (Original) The method according to claim 1 wherein the at least one prior picture comprises a previously displayed picture.

3.   (Original) The method according to claim 1 where the at least one prior picture comprises a previously decoded picture

4.   (Original) The method according to claim 1 wherein the amount of noise is correlated in accordance with a correlation factor α having a value such that $0 \leq \alpha \leq 1$.

5.   (Original) The method according to claim 1 wherein the amount of noise is correlated using an instantiation of a Finite Impulse Response (FIR) filter.

6.   (Original) The method according to claim 1 wherein the amount of noise is correlated using an approximation of an Infinite Impulse Response (IIR) filter.

7.   (Previously presented) A method for reducing artifacts in a video stream, comprising the steps of:

decoding a video stream in a video decoder; and

adding noise to at least one pixel in a picture in the video stream following decoding in an amount correlated to additive noise of pixels in at least one prior picture, wherein the noise amount is determined by extracting bit stream information from the video stream; and

determining strength of the added noise in accordance with the bit stream

information.

8.　　　(Original)　The method according to claim 7 wherein the bit stream information comprises a quantization parameter.

9.　　　(Previously presented)　The method according to claim 7 wherein the added noise is Gaussian noise.

10.　　　(Previously presented)　The method according to claim 7 wherein the added noise is Laplacian noise.

11.　　　(Previously presented)　A method for reducing artifacts in a video stream, comprising the steps of:

decoding the video stream in a video decoder; and

adding noise to at least one pixel in a picture in the video stream following decoding in an amount correlated to additive noise of at least one other pixel in the picture.

12.　　　(Original)　A decoder arrangement for decoding a coded video stream to yield reduced artifacts, comprising:

a video decoder for decoding an incoming coded video stream to yield decoded pictures ;

a reference picture store for storing at least one previously decoded picture for use by the decoder in decoding future pictures,

a noise generator noise for generating noise for addition to at least one pixel in a decoded picture in an amount correlated to additive noise of at least one pixel in at least one prior picture;

a summing block for summing the noise generated by the noise generator with a decoded picture from the decoder; and

a clipper for clipping the summed noise and decoded picture.

13.　　　(Original)　The decoder arrangement according to claim 12 wherein the noise generator implements an instantiation of a Finite Impulse Response filter.

14.　　　(Original)　The decoder arrangement according to claim 12 wherein the

noise generator implements an approximation of an Infinite Impulse Response filter.

15.   (Original) The decoder arrangement according to claim 12 wherein the noise generator generates noise in accordance with decoded pictures and bit stream information supplied from the decoder.

16.   (Previously presented) The decoder arrangement according to claim 15 wherein the bit stream information comprises a quantization parameter.

17.   (Original) The decoder arrangement according to claim 12 further including a noise picture store for storing the noise information for subsequent use by the noise generator.

18.   (Original) The decoder arrangement method according to claim 12 wherein the noise generator adds Gaussian noise.

19.   (Original) The decoder arrangement method according to claim 12 wherein the noise generator adds Laplacian noise.

20. (Original) A decoder arrangement for decoding a coded video stream to yield reduced artifacts, comprising:
        a video decoder for decoding an incoming coded video stream to yield decoded pictures ;
        a reference picture store for at least one storing at least one previously decoded picture for use by the decoder in decoding future pictures,
        a noise generator noise for generating noise in accordance with decoded pictures and bit stream information from the decoder for addition to at least one pixel in decoded in an amount correlated to additive noise of at least one pixel in a prior picture;
        a summing block for summing the noise generated by the noise generator with a decoded picture from the decoder; and
        a clipper for clipping the summed noise and decoded picture .

21.   (Original) The decoder arrangement according to claim 20 wherein the bit stream information comprises a quantization parameter.

22.   (Original) The decoder arrangement according to claim 20 wherein the noise generator implements an instantiation of a Finite Impulse Response filter.

23.   (Original) The decoder arrangement according to claim 20 wherein the noise generator implements an approximation of an Infinite Impulse Response filter.

24.   (Original) The decoder arrangement according to claim 20 further including a noise picture store for storing the noise information for subsequent use by the noise generator.

25.   (Original) The decoder arrangement method according to claim 20 wherein the noise generator adds Gaussian noise.

26.   (Original) The decoder arrangement method according to claim 20 wherein the noise generator adds Laplacian noise.

27.   (Original) A decoder arrangement for decoding a coded video stream to yield reduced artifacts, comprising:

a video decoder for decoding an incoming coded video stream to yield decoded pictures ;

a reference picture store for at least one storing picture previously decoded by the decoder for use by the decoder in decoding future pictures,

a noise generator noise for generating noise for addition to at least one pixel in a decoded picture in an amount correlated to additive noise of pixels in a prior picture;

a noise picture store for storing the noise information for subsequent use by the noise generator;

a summing block for summing the noise generated by the noise generator with a decoded picture from the decoder;

a clipper for clipping the summed noise and decoded picture.

28.   (Original) The decoder arrangement according to claim 27 wherein the noise generator implements an instantiation of a Finite Impulse Response filter.

29.　　(Original)　The decoder arrangement according to claim 27 wherein the noise generator implements an approximation of an Infinite Impulse Response filter.

30.　　(Original)　The decoder arrangement method according to claim 27 wherein the noise generator adds Gaussian noise.

31.　　(Original)　The decoder arrangement method according to claim 27 wherein the noise generator adds Laplacian noise.

32.　　(Previously presented)　A decoder arrangement for decoding a coded video stream to yield reduced artifacts, comprising:

a video decoder for decoding an incoming coded video stream to yield decoded pictures ;

a reference picture store for storing at least one previously decoded picture for use by the decoder in decoding future pictures,

a noise generator noise for generating noise for addition to at least one pixel in a decoded picture in an amount correlated to additive noise of at least one pixel in the at least one previously decoded picture;

a summing block for summing the noise generated by the noise generator with a decoded picture from the decoder; and

a clipper for clipping the summed noise and decoded picture.